

Vehicular Radio Mount AN/VRC-104(V)5

System Characteristics:

TAMCN: A00297G
NSN: 5830-01-531-4687
Technology: N/A
Spectrum: N/A
Orientation: N/A
Mobility: Stationary
Power: N/A
Distance: N/A
Operational Mode: N/A
Encryption: N/A
Quantity Fielded: 264
AAO: 733



System Description: The AN/VRC-104(V)5 is a vehicular mounted, 150 watt variant of the AN/PRC-150 HF radio.

An AN/PRC-150 radio set is required to complete the AN/VRC-104 configuration. The AN/VRC-104 150W Vehicle Configuration system consists of the components listed below:

- 150 Watt Power Amplifier
- Radio to Amplifier Audio, Control, Coax Cables
- Shock Mount
- Stacking Bracket
- PA Locking Kit
- PA DC Power Cable
- PA DC Power Cable
- Cable Assy, 12V Input
- External Speaker
- PA to Speaker Audio Cable
- PA to Speaker Power Cable
- Antenna Coupler
- Antenna Coupler Shock Mount
- Coupler Control Cable
- RF Cable Assy
- AC to DC Power Supply
- DC to DC Power Supply
- Antenna 35 Foot
- Tilt Whip Adapter
- Installation Kit-150W HMMWV
- Antenna Mount

Locations:

CE: Comm Bn, Force Recon
GCE: HQ Bn, Inf Regt, Inf Bn, Recon Bn
ACE: MACG
LCE: MLG

Programmatic Information:

Manufacturer: Harris Corporation
Contract Vehicle: MCSC IDIQ (Mar 05)
M67854-05-D-7015
MCSC Acquisition Status: Procurement

P3I: N/A
IOC: FY03
FOC: TBD
Fielding Plan: Vertical
Unfunded Requirement: No

Lifecycle Configuration Control:

Initial Fielding: FY03
Quantity Fielded: 9
Warranty: 1 Year
Logistics Support Concept: 3-level (O-I-D)
Upgrades: N/A
Variations: None
Legacy Equipment Substitute: N/A
Lifecycle Status: Stable
Expected Replacement System: N/A
Expected Replacement Timeframe: N/A

Requirement:

Stated Need: SON

Operational Requirements Documentation (ORD): There is no specific ORD for this system

Concept of Employment: The AN/VRC-104 is a multi-component system that the Marine Corps has determined best suited for large mounting spaces such as a HMMWV. Unit and quantities to be fielded are IAW the MROC approved TCM AAO Feb 2008.

Operational Impact: This system serves as the primary vehicular mount for the AN/PRC-150 long-haul HF system capable of ALE compatible with MIL-STD 188-141A ALE for frequency analysis.

Risks:

Cost: Low – Established costs.
Schedule: Low – Readily available <30 days.
Performance: Low – JTRS compliant waveform

Status: Currently fielding to various HMMWV platforms as well as MRAP vehicles.